

Sierra RCD - LGA 2012 Schedule - Phase II Community Groundwater Monitoring: Monitoring Systems upgrade, Research and Education

ID	Task Name	Duration	Start	Finish	Quarter 1				Quarter 2			Quarter 3			Quarter 4			Quarte	
					Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
1	Community Groundwater Program: Well Monitoring Systems, Research and Education	261 days	Mon 4/1/13	Mon 3/31/14															
2	Task 1 - Upgrade Well Management Systems (2 School Sites: System Control & Data Acquisition - SCADA) with Remote Access	50 days	Mon 4/1/13	Fri 6/7/13															
11	Task 2 - Integrate Well Management SCADA System with DWR's CASGEM/WDL Program	88 days	Mon 4/1/13	Wed 7/31/13															
16	Task 3 - Integrate Well Management SCADA System with Fresno County's Database System / California Water Institute	110 days	Mon 4/1/13	Fri 8/30/13															
22	Task 4 - Establish Educational Research Program at High School and Lyles College of Engineering , CSU Fresno	43 days	Thu 8/1/13	Mon 9/30/13															
25	Task 5 - Determine initial groundwater quantity conditions and develop trend analysis capabilities	86 days	Mon 6/3/13	Mon 9/30/13															
31	Task 6 - Establish Community Outreach and Education Program (4 meetings & 4 articles) and update website	261 days	Mon 4/1/13	Mon 3/31/14															
41	Task 7 - Project Office Operations and Administration (2.5%)	261 days	Mon 4/1/13	Mon 3/31/14															
44	Task 8 - Quarterly Reports (4) , Final Project Report and Invoicing	261 days	Mon 4/1/13	Mon 3/31/14															

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	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

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1	Community Groundwater Program: Well Monitoring Systems, Research and Education	261 days	Mon 4/1/13	Mon 3/31/14																
2	Task 1 - Upgrade Well Management Systems (2 School Sites: System Control & Data Acquisition - SCADA) with Remote Access	50 days	Mon 4/1/13	Fri 6/7/13																
3	A) With Flowmeters and transducers already in place utilizing a prior grant from the NRCS – install SCADA and Historian Systems at Foothill Elementary School and Sierra Middle/High School per	46 days	Mon 4/1/13	Mon 6/3/13																
4	B) QA/QC (quality assurance/quality control) SCADA installation with Factory Acceptance Testing (FAT) process	0 days	Mon 6/3/13	Mon 6/3/13																
5	C) IT (Information Technology) infrastructure integration verification	46 days	Mon 4/1/13	Mon 6/3/13																
6	D) System Operation start-up, debug and training	5 days	Mon 6/3/13	Fri 6/7/13																
7	E) Remote access capabilities	46 days	Mon 4/1/13	Mon 6/3/13																
8	F) Data collection verification	46 days	Mon 4/1/13	Mon 6/3/13																
9	G) Develop agreement and protocols for continuous system operations and support with Sierra Unified School District's IT Department and Sierra Resource Conservation District	46 days	Mon 4/1/13	Mon 6/3/13																
10	H) On-going data collection and analysis	46 days	Mon 4/1/13	Mon 6/3/13																
11	Task 2 - Integrate Well Management SCADA System with DWR's CASGEM/WDL Program	88 days	Mon 4/1/13	Wed 7/31/13																
12	A) Determine SCADA data file structure and compare to CASGEM/WDL data structure for compatibility	88 days	Mon 4/1/13	Wed 7/31/13																
13	B) Develop mapping of SCADA data content to allow for maximum automated transfer capabilities into CASGEM/WDL databases	88 days	Mon 4/1/13	Wed 7/31/13																
14	C) Test and validate automated transfer process (QA/QC)	88 days	Mon 4/1/13	Wed 7/31/13																
15	D) Determine frequency measurements required for CASGEM/WDL and develop automated schedule of data transfer	88 days	Mon 4/1/13	Wed 7/31/13																
16	Task 3 - Integrate Well Management SCADA System with Fresno County's Database System / California Water Institute	110 days	Mon 4/1/13	Fri 8/30/13																
17	A) Compare SCADA data file structure with Fresno County/CWI data structure for compatibility	110 days	Mon 4/1/13	Fri 8/30/13																
18	B) Develop mapping of SCADA data content to allow for maximum automated transfer capabilities into Fresno County/CWI	110 days	Mon 4/1/13	Fri 8/30/13																

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Task

Split

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External Tasks

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19	C) Test and validate automated transfer process (QA/QC)	110 days	Mon 4/1/13	Fri 8/30/13															
20	D) Determine frequency measurements required for Fresno County/CWI and develop automated schedule of data transfer	110 days	Mon 4/1/13	Fri 8/30/13															
21	E) Obtain Approval of Groundwater Data Management System with Fresno County Water Advisory Committee based upon implementation of Technical Memorandum	0 days	Fri 8/30/13	Fri 8/30/13															
22	Task 4 - Establish Educational Research Program at High School and Lyles College of Engineering , CSU Fresno	43 days	Thu 8/1/13	Mon 9/30/13															
23	A) Develop educational program for high school students with science department as project opportunity or extracurricular	43 days	Thu 8/1/13	Mon 9/30/13															
24	B) Expand existing education/research program with Lyles College Department of Civil Engineering for undergraduate and graduate students	43 days	Thu 8/1/13	Mon 9/30/13															
25	Task 5 - Determine initial groundwater quantity conditions and develop trend analysis capabilities	86 days	Mon 6/3/13	Mon 9/30/13															
26	A) Analyze static well level and flowmeter usage data	86 days	Mon 6/3/13	Mon 9/30/13															
27	B) Compare seasonal and annual precipitation data	86 days	Mon 6/3/13	Mon 9/30/13															
28	C) Analyze percolation and Evapotranspiration information	86 days	Mon 6/3/13	Mon 9/30/13															
29	D) Determine net recharge values and develop correlations to usage data	86 days	Mon 6/3/13	Mon 9/30/13															
30	E) Compare data and correlate with DWR's PSA and DAU Analysts under CWP-2009	86 days	Mon 6/3/13	Mon 9/30/13															
31	Task 6 - Establish Community Outreach and Education Program (4 meetings & 4 articles) and update website	261 days	Mon 4/1/13	Mon 3/31/14															
32	A) Develop Outreach and Education Plan	261 days	Mon 4/1/13	Mon 3/31/14															
33	B) Update and maintain Watershed Portal Web Site for Project activities, deliverables, reports, publications, educational materials, and for water use data acquired	261 days	Mon 4/1/13	Mon 3/31/14															
34	C) Submit 1st of 4 articles on project to local newspaper	261 days	Mon 4/1/13	Mon 3/31/14															
35	D) Send out notifications to stakeholders via the internet	261 days	Mon 4/1/13	Mon 3/31/14															
36	E) Notice, Plan and Conduct Community/Public Informational "Kick-off" meeting	261 days	Mon 4/1/13	Mon 3/31/14															

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Task



Milestone



External Tasks



Split



Summary



External Milestone



Progress



Project Summary

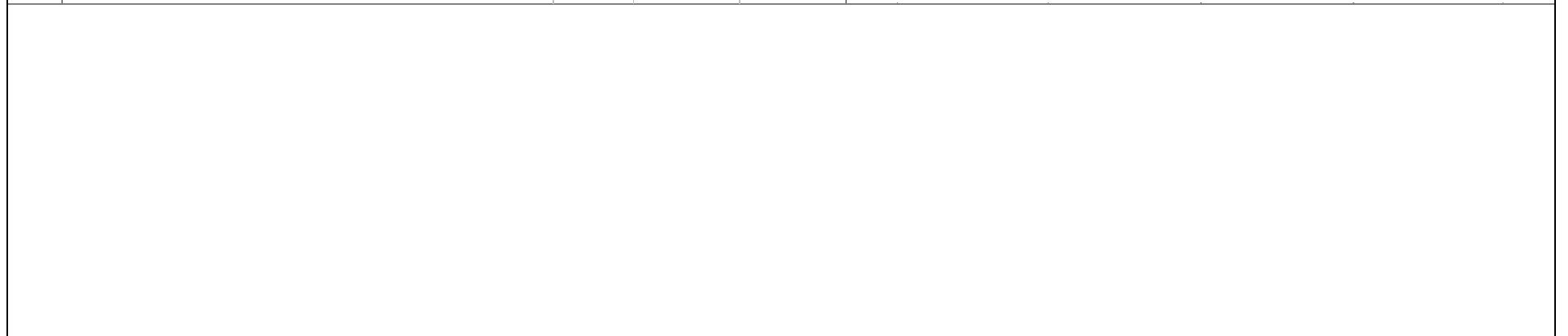


Deadline



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37	F) Notice and Conduct two quarterly Community/Public "Progress Update" meetings	261 days	Mon 4/1/13	Mon 3/31/14															
38	G) Submit 2nd and 3rd articles on current status of project to local newspaper	261 days	Mon 4/1/13	Mon 3/31/14															
39	H) Notice and Conduct "Final Findings and Outcomes" Community/Public meeting	261 days	Mon 4/1/13	Mon 3/31/14															
40	I) Submit 4th article on project's "Final Findings and Outcomes" to local newspaper	261 days	Mon 4/1/13	Mon 3/31/14															
41	Task 7 - Project Office Operations and Administration (2.5%)	261 days	Mon 4/1/13	Mon 3/31/14															
42	A) Set up Office for on-going day to day operations and administration	261 days	Mon 4/1/13	Mon 3/31/14															
43	B) Assure PO Box, Email and other communications are established	261 days	Mon 4/1/13	Mon 3/31/14															
44	Task 8 - Quarterly Reports (4) , Final Project Report and Invoicing	261 days	Mon 4/1/13	Mon 3/31/14															
45	A) Complete and submit quarterly reports per DWR's requirements	261 days	Mon 4/1/13	Mon 3/31/14															
46	B) Submit monthly invoices per DWR's requirements	261 days	Mon 4/1/13	Mon 3/31/14															
47	C) Complete and Final Project Report per DWR's requirements	261 days	Mon 4/1/13	Mon 3/31/14															
48	D) Perform Project close-out	261 days	Mon 4/1/13	Mon 3/31/14															



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